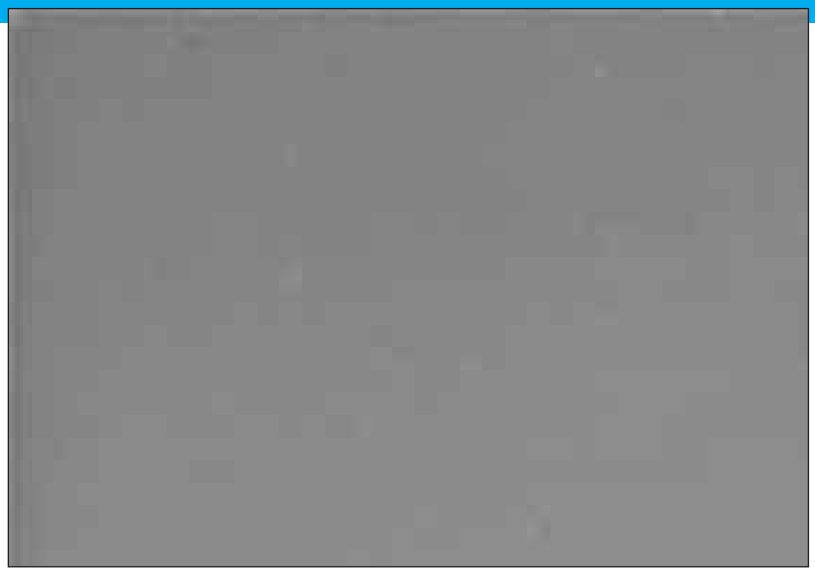
查询SRF-1C-S-12VDC供应商

# Power Relay

# SRF

- 1 Form C (SPDT)
- Flux and fully sealed versions available
- High sensitivity coil - 200mW
- CUR recognised



## Options and ordering codes

**SRF** **A** – **1C** – **F** – **12VDC**

- SRF — Type
- 12VDC — Coil voltage

Terminal type:
- Blank: General type
- A: Alternative terminal layout

Contact form:
- 1C: SPDT

Sealing:
- F: Flux type
- S: Fully sealed

## Contact rating

| | |
|---|---|
| **Contact form** | 1C (SPDT) |
| **Maximum switching power** | 240VA (360VA)*/56W (84W)* |
| **Maximum switching voltage** | 120VAC/60VDC |
| **Maximum switching current** | 2A (3A)* |
| **Maximum carrying current** | 3A |

*Ratings for 30k ops

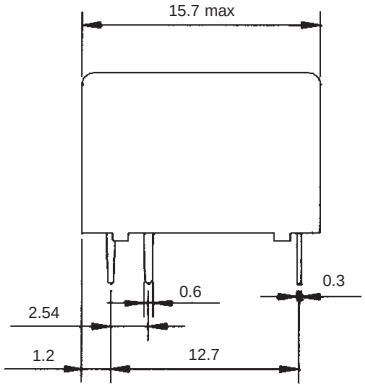
## Specifications

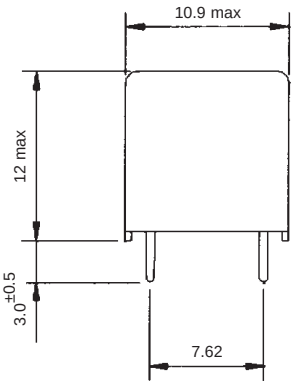
| | | |
|---|---|---|
| **Contact material** | | Ag + gold flash |
| **Initial contact resistance** | | 100mΩ Max |
| **Operate time** | | 10ms Max. (at rated voltage) |
| **Release time** | | 5ms Max. (at rated voltage) |
| **Nominal operating power** | | Approx. 200mW |
| **Insulation resistance** | | 100MΩ at 500VDC |
| **Breakdown voltage** | **Between coil and contacts** | 500VAC (for 1 minute) |
| | **Between open contacts** | 500VAC (for 1 minute) |
| **Vibration resistance** | **Operating extremes** | 10~50Hz, amplitude 1.5mm |
| | **Damage limits** | 10~50Hz, amplitude 1.5mm |
| **Shock resistance** | **Operating extremes** | 10G |
| | **Damage limits** | 100G |
| **Ambient temperature** | | -25~+55˚C and 35%~85% RH Max |
| **Life expectancy** | **Mechanical** | 10 x $10^6$ operations (frequency 18,000 operations/hour) |
| | **Electrical (at max load)** | 1 x $10^5$ operations (frequency 1,800 operations/hour) |
| **Weight** | | 4g |

## Coil specification

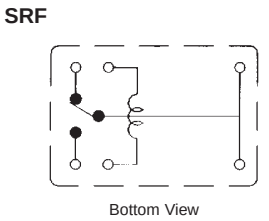
| Rated voltage | Rated Current ± 10% at 25˚C (mA) | Coil Resistance ± 10% at 25˚C (Ω) | Max continuous voltage at 25˚C | Pick up voltage (Max) at 25˚C | Drop out voltage (Min) at 25˚C | Power consumption at rated load |
|---|---|---|---|---|---|---|
| 3 | 66.7 | 45 | | | | |
| 5 | 44.7 | 120 | 130% | 75% | 10% | |
| 6 | 33.3 | 180 | of rated | of rated | of rated | Approx. 200mW |
| 9 | 22.5 | 400 | voltage | voltage | voltage | |
| 12 | 17.1 | 700 | | | | |
| 24 | 8.6 | 2800 | | | | |

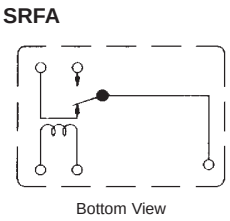
## Dimensions mm




## Wiring diagram




## PCB layout